

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-34 have been considered but are moot in view of the new ground(s) of rejection. Please see response below:

In response to applicant arguments, Claims 1-5, 7, 14-20 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Ikeda (US 7,522,558) in view of Chaskar (US 2004/0137902) and Funato (US 2003/0087646). Ikeda has a filing date of October 13, 2004. The present application, however, claims priority to JP 2003-374186 with a filing date of November 4, 2003. As the filing date of Applicants' priority document precedes the filing date of the Ikeda reference, withdrawal of the rejection is respectfully requested. A Verified Translation of Applicants' priority document is enclosed (see newly cited reference Trossen).

Claim Rejections - 35 USC § 103

1. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of

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the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 1-5, 7, 14-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Trossen. (newly cited U. S. PGPub. No. 2004/0166861) in view of Chaskar et al. (previously cited U.S. PGPub. No. 2004/0137902 A1) and Funato et al. (newly cited U.S. PGPub. No. 2003/0087646).

For claims 1, 7, 16 and 34, Trossen discloses source access router apparatus and a destination access router apparatus (see Figure 2), comprising: determining, by the mobile communication apparatus determines apparatus, whether a the source access router apparatus connected there with the mobile communication_apparatus complies with a Fast Mobile IP (see para. 25); selectively operating, by the mobile communication apparatus, between or among a plurality of operating modes based on at least the determined compliance of the source access router apparatus with the Fast Mobile IP (see para. 28). Trossen discloses all the subject matter but fails to mention in a first one of the operating modes, when the mobile communication apparatus determines that the source access router apparatus does not comply with the fast mobile IP; the mobile communication apparatus requests information to a home agent apparatus on the destination access router apparatus, the home agent apparatus

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responds to the request, providing information on the destination access router apparatus to the mobile communication apparatus, and the mobile communication apparatus instructs the home agent apparatus to forward data addressed to the mobile communication apparatus to the destination access router apparatus. However, Chaskar et al. from a similar field of endeavor disclose in a first one of the operating modes, when the mobile communication apparatus requests information to a home agent apparatus on the access router apparatus (see paragraph 65 line 3-4), and the home agent apparatus responds to the request, providing information on the destination access router apparatus to the mobile communication apparatus (see paragraph 65 lines 11-12), and the mobile communication apparatus instructs the home agent apparatus to forward data addressed to the mobile communication apparatus to the destination access router apparatus (see paragraph 65 lines 20-21). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Chaskar et al. communication scheme into Ikeda fast mobile IP scheme. The method can be implemented in a packet. The motivation of doing this is to shorten the transfer route and suppress an increase in packet loss (see column 1 lines 50-59). Ikeda and Chaskar et al. disclose all the subject matter but fails to mention in a second one of the operating modes, the mobile communication apparatus sends information to the source access router apparatus for implementing a Fast Mobile IP procedure. However, Funato et al. from a similar field of endeavor disclose in a second one of the operating modes, the mobile communication apparatus sends information to the source access router apparatus for implementing a Fast Mobile IP procedure (see paragraph 59-61). Thus, it

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would have been obvious to one ordinary skill in the art at the time of invention was made to include Funato et al. mobile IP implementation scheme into Ikeda and Chaskar et al. fast mobile IP scheme. The method can be implemented through messaging. The motivation of doing this is to discover mobile routers (see paragraph 2).

For claim 2, Trossen discloses wherein the home agent apparatus stores information on access router apparatus and searches and gives information on the destination access router apparatus in accordance with the request by the mobile communication apparatus (see para. 24).

For claim 3, Trossen discloses wherein the home agent apparatus makes inquiries about information on the destination access router apparatus to an access router information server apparatus storing information on access router apparatus, in accordance with the request by the mobile communication apparatus, and gives the information to the mobile communication apparatus (see para 28, connectivity reports).

For claim 4, Trossen discloses wherein the mobile communication apparatus notifies the home agent apparatus of an identifier tag of the destination access router apparatus, and the home agent apparatus searches or inquires about information on the destination access router apparatus based on the identifier tag (see para. 28, L2 identifier).

For claim 5, Trossen discloses wherein the identifier tag of the destination access router is either a lower layer address or a cell station ID (see para. 28, layer 2 identifier).

For claim 17, Trossen discloses wherein information on the access router apparatus is acquired from the home agent apparatus which manages movements of the mobile communication apparatus between sub-networks or from the access router apparatus (see para. 24).

For claims 18 & 19 & 20, Trossen discloses wherein if the Fast Mobile IP compliance determining part determines that access router apparatus does not comply with Fast Mobile IP (see para. 25, access router discovery protocol), the Fast Mobile IP control part gives identifying information of the destination access router apparatus to the home agent apparatus or an access router information server apparatus and controls the mobile IP/Fast Mobile IP processing part so as to request information on the access router (see para. 28, connectivity reports).

For claims 14 and 15, Trossen discloses comprising a network having plural sub-networks (see Figure 1), access router apparatus connected to the sub-networks (see Figure 1, AR1, AR2) a mobile communication apparatus making packet-communications with the network through the access router apparatus, in which the access router apparatus which comply with a Fast Mobile IP are intermixed with those which do not comply with the Fast Mobile IP (see Figure 1, MN), , wherein the mobile communication apparatus has a function of determining whether the access router apparatus complies with the Fast Mobile IP or not (see para. 25, discovery protocol), and selectively operates between or among a plurality of operating modes based on at least the determined compliance of a source access router apparatus with the Fast Mobile IP (see para. 30 ip-level connectivity); a home agent apparatus connected to the

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network which implements mobile management of the mobile communication apparatus moving between the sub-networks (see Figure 1, BS1); and at least one correspondent node connected to the network, which makes communication with the mobile communication apparatus (see Figure 1). Trossen discloses all the subject matter but fails to mention in a first one of the operating modes, if the source access router apparatus is determined to comply with the Fast Mobile IP, the mobile communication apparatus sends to the source access router apparatus to implement a Fast Mobile IP procedure. However, Funato et al. from a similar field of endeavor disclose a in a first one of the operating modes, the mobile communication apparatus sends information to the source access router apparatus for implementing a Fast Mobile IP procedure (see paragraph 59-61). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Funato et al. mobile IP implementation scheme into Ikeda fast mobile IP scheme. The method can be implemented in messaging. The motivation of doing this is to discover routers (see paragraph 2). Trossen and Funato et al. disclose all the subject matter but fails to mention and in a second one of the operating modes, if the mobile communication apparatus determines that the source access router apparatus does not comply with the Fast Mobile IP, the mobile communication apparatus requests information to the home agent apparatus for information on the destination access router apparatus, the home agent apparatus provides the information on the destination access router apparatus to the mobile communication apparatus in response to the request, and the mobile communication apparatus instructs the home agent apparatus to forward data addressed to the mobile

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communication apparatus to the movement destination access router apparatus.

However, Chaskar et al. from a similar field of endeavor disclose in a second one of the operating modes: Fast Mobile, the mobile communication apparatus requests information to a home agent apparatus on the access router apparatus (see paragraph 65 line 3-4), and the home agent apparatus responds to the request, providing information on the destination access router apparatus to the mobile communication apparatus (see paragraph 65 lines 11-12), and the mobile communication apparatus instructs the home agent apparatus to forward data addressed to the mobile communication apparatus to the destination access router apparatus (see paragraph 65 lines 20-21); and the mobile communication apparatus, after moving to a different sub-network, makes a location registration to the home agent apparatus to continue the communication with the correspondent node (see Figure 6). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Chaskar et al. communication scheme into Trossen and Funato et al. fast mobile IP scheme. The method can be implemented in a packet. The motivation of doing this is to shorten the transfer route and suppress an increase in packet loss (see column 1 lines 50-59).

4. Claims 6, 8-10, 21, 23, 30, 31 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Trossen, Chaskar et al. and Funato et al. as applied to claims 1, 8, 14, 16 above, and further in view of Leung (U.S. Patent No. 6,636,498 B1).

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For claim 6, Trossen, Chaskar et al. & Funato et al. disclose all the subject matter but fails to mention a step in which when the home agent apparatus could not acquire information on the destination access router apparatus, the home agent apparatus notifies the mobile communication apparatus accordingly. However, Leung from a similar field of endeavor discloses a step in which when the home agent apparatus could not acquire information on the access router apparatus (see column 15 lines 25-27), the home agent apparatus notifies the mobile communication apparatus accordingly (see column 15 lines 36-38). Thus, it would have been obvious to one ordinary skill in the art at the time invention was made to include Leung acquiring scheme into Trossen, Chaskar et al. and Funato et al. mobile IP routing scheme. The method can be implemented in the hardware and software. The motivation of doing this is to acquire and notify router information in a timely manner.

For claim 8, Trossen discloses when the mobile communication apparatus determines that the source access router apparatus does not comply with the Fast Mobile IP (see para.25, discovery protocol), and the destination access router apparatus complies with Fast Mobile IP (see para. 25, discovery protocol). Trossen discloses all the subject matter but fails to mention the mobile communication apparatus instructs the home agent apparatus to forward data addressed to the mobile communication apparatus to the destination access router apparatus. However, Chaskar et al. from a similar field of endeavor disclose the mobile communication apparatus instructs the home agent apparatus to forward data addressed to the mobile communication apparatus to the destination access router apparatus (see paragraph 65

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lines 19-21). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Chaskar et al. data transfer scheme into Trossen mobile IP scheme. The method can be implemented in a packet. The motivation of doing this is to shorten the transfer route and suppress an increase in packet loss (see column 1 lines 50-59). Trossen, Funato et al. and Chaskar et al. disclose all the subject matter but fails to mention establishing by the home agent apparatus a tunnel between the home agent and the destination access router apparatus and notifying the establishment thereof apparatus to the mobile communication apparatus; receiving by the destination access router apparatus via the tunnel data addressed to the mobile communication apparatus and forwarding the data to the mobile communication apparatus. However, Leung from a similar field of endeavor discloses establishing the home agent apparatus a tunnel between the home agent apparatus and the destination access router apparatus and notifying the establishment thereof to the mobile communication apparatus (see column 15 lines 36-38); receiving by the destination access router apparatus via the tunnel data addressed to the mobile communication apparatus and forwards the data to the mobile communication apparatus (see column 15 lines 38-47). Thus, it would have been obvious to one ordinary skill in the art at the time invention was made to include Leung tunneling scheme into Trossen and Chaskar et al. mobile IP routing and compliance scheme. The method can be implemented in the hardware and software. The motivation of doing this is to expedite data transfer.

For claim 9, Trossen discloses when the mobile communication apparatus determines that the source access router apparatus complies with the Fast Mobile IP

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(see para. 25, protocol discovery) and the destination access router apparatus does not comply with Fast Mobile IP (see para. 25, protocol discovery). Trossen discloses all the subject matter but fails to mention instructing by the mobile communication apparatus, source access router apparatus to forward data addressed to the mobile communication apparatus to the home agent apparatus. However, Chaskar et al. from a similar field of endeavor disclose the mobile communication apparatus instructs the home agent apparatus to forward data addressed to the mobile communication apparatus to the destination access router apparatus (see paragraph 65 lines 19-21). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Chaskar et al. data transfer scheme into Ikeda mobile IP scheme. The method can be implemented in a packet. The motivation of doing this is to shorten the transfer route and suppress an increase in packet loss (see column 1 lines 50-59).

Ikeda, Funato et al. and Chaskar et al disclose all the subject matter but fails to mention establishing by the access router apparatus a second tunnel between the source access router apparatus and the home agent apparatus and notifying the establishment thereof to the mobile communication apparatus; and forwarding by the home agent apparatus data addressed to the mobile communication apparatus received via the second tunnel to the mobile communication apparatus. However, Leung from a similar field of endeavor discloses establishing by the access router apparatus a second tunnel between the source access router apparatus and the home agent apparatus and notifying the establishment thereof to the mobile communication apparatus (see column 15 lines 36-38); and forwarding by the home agent apparatus data addressed to the

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mobile communication apparatus received via the second tunnel to the mobile communication apparatus (see column 15 lines 38-47). Thus it would have been obvious to one ordinary skill in the art at the time invention was made to include Leung tunneling scheme into Trossen, Chaskar et al. & Funato et al. mobile IP routing and compliance scheme. The method can be implemented in the hardware and software. The motivation of doing this is to expedite routing packet from one region to another.

For claims 10 & 21, Trossen, Chaskar et al. & Funato et al. discloses all the subject matter but fails to mention wherein an instruction given by the mobile communication apparatus with respect to the source access router apparatus is one in which an address of the home agent apparatus is written in a new care-of address field of a fast binding update message according to a Fast Mobile IP procedure. However, Leung from a similar field of endeavor discloses wherein the instruction given by the mobile communication apparatus with respect to the pre-movement source access router apparatus is one in which the address of the home agent apparatus is written in the new care-of address field of a fast binding update message according to a Fast Mobile IP procedure (see column 5 lines 49-53). Thus, it would have been obvious to one ordinary skill in the art at the time invention was made to include Leung binding scheme into Trossen, Chaskar et al. & Funato et al. mobile IP routing scheme. The method can be implemented in the hardware and software. The motivation of doing this is to provide a proper addressing scheme for routing packet from one region to another.

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5. Claims 11, 23, 30, 31 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Trossen, Chaskar et al., Funato et al. and Leung as applied to claims 1, 8, 9, 14, 22 above, and further in view of Shimizu et al. (U.S. PGPub. No. 2002/0045450 A1).

For claims 11, 23, 30, 31 and 33, Trossen, Chaskar et al. Funato et al. and Leung disclose all the subject matter but fails to mention starting, by the home agent apparatus, buffering in a case that buffering is possible when the home agent apparatus receives an instruction from the source access router apparatus for buffering transmission data addressed to the mobile communication apparatus. However, Shimizu et al. from a similar field of endeavor disclose starting, by the home agent apparatus, buffering in a case that buffering is possible when the home agent apparatus receives an instruction from the source access router apparatus for buffering transmission data addressed to the mobile communication apparatus (see Figure 11, para. 53). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Shimizu et al. buffering scheme into Trossen, Chaskar et al. Funato et al. and Leung handover scheme. The method can be implemented in a home agent device. The motivation of doing this is to avoid packet loss.

6. Claims 12, 13 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Trossen in view of Chaskar et al., Funato et al., Leung and Shimizu et al. as applied

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to claims 1, 8, 9, 11 and 30 above, and further in view of Okajima et al. (U.S. PGPub. No. 2004/0114554).

For claim 12, Trossen, Chaskar et al., Funato et al., Leung and Shimizu et al. disclose all the subject matter but fails to mention notifying by the home agent apparatus to start buffering to the source access router apparatus. However, Okajima et al. from a similar field of endeavor discloses notifying by the home agent apparatus to start buffering to the source access router apparatus (see paragraph 19 lines 26--29). Thus, it would have been obvious to one ordinary skill in the art at the time invention was made to include Okajima et al. buffering scheme into Trossen, Chaskar et al., Funato et al., Leung and Shimizu et al. mobile IP routing, compliance and binding scheme. The method can be implemented in the hardware. The motivation of doing this is to avoid packet loss.

For claim 13, Trossen, Chaskar et al., Funato et al., Leung and Shimizu et al. disclose all the subject matter but fails to mention wherein in a case that the buffering is impossible, notifying the home agent apparatus, the source access router apparatus that buffering cannot be executed. However Okajima et al. from a similar field of endeavor discloses wherein in a case that the buffering is impossible (paragraph 19 lines 10-20), notifying the home agent apparatus, the source access router apparatus that buffering cannot be executed (paragraph 19 line 3, paragraph 214 lines 8-21). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Okajima et al. buffering scheme into Trossen, Chaskar et al., Leung and Shimizu et al. mobile IP routing, compliance and binding scheme. The

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method can be implemented in the hardware. The motivation of doing this is to avoid packet loss.

For claim 32, Trossen et al, Chaskar et al., Funato et al., Okajimi and Shimizu et al. disclose all the subject matter but fails to mention wherein a tunnel is established in the data transmission between the home agent apparatus and the buffer node or the data transmission between the buffer node and the mobile communication apparatus or both. However, Leung from a similar field of endeavor discloses wherein a tunnel is established in the data transmission between the home agent apparatus and the buffer node or the data transmission between the buffer node and the mobile communication apparatus or both (see column 15 lines 38-47). Thus, it would have been obvious to one ordinary skill in the art at the time invention was made to include Leung tunneling scheme into Trossen et al., Chaskar et al., Funato et al., Shimizu et al. and Okajimi et al. mobile IP routing and compliance scheme. The method can be implemented in the hardware and software. The motivation of doing this is to expedite data transfer.

7. Claims 28-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Trossen in view of Funato et al., and Leung.

For claim 28, Trossen discloses the access router information server apparatus comprising: an access router information list in which identifier tags of access router apparatus, IP addresses of the access router apparatus and the apparatus and a compliance/noncompliance with a Fast Mobile IP of the access router apparatus are written (see para. 28); a receiving part for receiving requests for information on the

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access router apparatus from various kinds of apparatus on the apparatus on a network (see para. 28, connectivity reports) an access router information searching part, when the mobile communication apparatus is operating in a second operating mode indicating that the source access router apparatus does not comply with a Fast Mobile IP (see para. 25, protocol discovery). Trossen discloses all the subject matter but fails to mention an access router information server apparatus used with a mobile communication apparatus and source and destination access router apparatus such that when the mobile communication apparatus operates in a first operating mode, the mobile communication apparatus sends information to the source access router apparatus for implementing a Fast Mobile IP procedure. However, Funato et al. from a similar field of endeavor disclose an access router information server apparatus used with a mobile communication apparatus and source and destination access router apparatus such that when the mobile communication apparatus operates in a first operating mode, the mobile communication apparatus sends information to the source access router apparatus for implementing a Fast Mobile IP procedure (see paragraph 59-61). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Funato et al. implementing scheme into TrossenMobile IP scheme. The method can be implemented in a proxy server. The motivation of doing this is to have the mobile node roam freely while maintaining uninterrupted access to all network resources (see paragraph 13 lines 10-13). Trossen and Funato et al disclose all the subject matter but fails to mention searching for searching the access router information list for entries corresponding to a respective identifier tag included in the

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received request; and an access router information notifying part for notifying the requesting mobile communication apparatus of a search result. However, Leung from a similar field of endeavor disclose searching for searching the access router information list for entries corresponding to a respective identifier tag included in the received request (see column 7 lines 31-46, column 8 lines 1-29, Figure 5); and an access router information notifying part for notifying the requesting mobile communication apparatus of a search result (see column 8 lines 3-5). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Leung searching scheme into Nakatsugawa et al. and Funato et al. mobile IP scheme. The method can be implemented in the hardware and software. The motivation of doing this is to provide a smooth handover procedure from one region to another.

For claim 29, Trossen discloses wherein the respective identifier tag of the access router is either a lower layer address or a cell station ID (see para 28, L2 tag).

8. Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Trossen in view of Funato et al. and Okajima et al. (U.S. PGPub. No. 2004/0114554).

For claim 22, Trossen discloses a home agent apparatus used with a source access router apparatus and a mobile communication apparatus, the mobile communication apparatus selectively operating in one of a plurality of operating modes (see Figure 1, BS1), in a first one of the operating modes, when the mobile communication apparatus determines that the source access router apparatus complies with a Fast Mobile IP (see para. 25, discovery protocol). Trossen discloses all the

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subject matter but fails to mention the mobile communication apparatus sends a message to the source access router apparatus to implement a Fast Mobile IP procedure. However, Funato et al. disclose the mobile communication apparatus sends a message to the source access router apparatus to implement a Fast Mobile IP procedure (see paragraph 59-61). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Funato et al. mobile IP implementation scheme into Trossen fast mobile IP scheme. The method can be implemented through messaging. The motivation of doing this is to discover mobile routers (see paragraph 2). Trossen and Funato et al. disclose all the subject matter but fails to mention a buffer memory, when the mobile communication apparatus is operating in a second one of the operating modes in which the source access router apparatus is determined by mobile communication apparatus does not comply with the Fast Mobile IP, temporarily stores data addressed to the mobile communication apparatus of a management target (see paragraph 17); and a buffer management part, managing input and output to and from the buffer memory when the buffer management part receives a request, indicating that the mobile communication apparatus is operating in the second one of the operating modes, for the storing of data to be sent to the mobile communication apparatus which is received by the mobile IP/Fast Mobile IP processing part or a request for a transmission of the stored data (see paragraph 19). Thus, it would have been obvious to one ordinary skill in the art at the time of invention was made to include Okajima et al. buffering scheme into Trossen and Funato et al. IP

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mobile scheme. The method can be implemented in a router. The motivation of doing this is to avoid packet loss.

9. Claims 24-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Trossen, Funato et al. and Okajima et al. as applied to claim 22 above, and further in view of Leung.

For claim 24, Trossen, Funato et al. and Okajima et al. disclose all the subject matter but fails to mention a destination access router searching part for requesting an access router information server apparatus which stores information on access router apparatus for information on a destination access router in response to an inquiry of information on the destination access router apparatus, and giving a requesting device requested information. However, Leung from a similar field of endeavor discloses a destination access router searching part for requesting an access router information server apparatus which stores information on access router apparatus for information on a destination access router in response to an inquiry of information on the destination access router apparatus, and giving a requesting device requested information (see column 8 lines 1-4). Thus, it would have been obvious to one ordinary skill in the art at the time invention was made to include Leung searching strategy into Trossen, Funato et al., & Okajima et al. mobile IP routing and compliance scheme. The method can be implemented in the hardware and software. The motivation of doing this is to avoid packet loss and routing packet from one region to another.

For claims 25, and 26, Trossen, Funato et al. & Okajima et al. disclose all the subject matter but fails to mention wherein the destination access router searching part makes a request to the access router information server apparatus based on an identifier tag of the destination access router apparatus acquired when the destination access router searching part receives the request from the mobile communication apparatus. However, Leung from a similar field of endeavor discloses wherein the destination access router searching part makes a request to the access router information server apparatus based on an identifier tag of the destination access router apparatus acquired when the destination access router searching part receives the request from the mobile communication apparatus (see column 7 lines 31-46, column 8 lines 1-29, Figure 5). Thus, it would have been obvious to one ordinary skill in the art at the time invention was made to include Leung identification scheme into Trossen, Funato et al. & Okajima et al. mobile IP routing scheme. The method can be implemented in the hardware and software. The motivation of doing this is to provide an identification method for routing packet from one region to another.

For claim 27, Trossen, Funato et al. and Okajima et al. disclose all the subject matter but fails to mention wherein the respective identifier tag of the access router apparatus is either a lower layer address or a cell station ID. However, Leung from a similar field of endeavor discloses wherein the identifier tag of the access router apparatus is either a lower layer address or a cell station ID (See Figure 5 column 4 lines 65-67). Thus, it would have been obvious to one ordinary skill in the art at the time invention was made to include Leung identification scheme into Trossen, Funato et al.

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and Okajima et al. mobile IP routing scheme. The method can be implemented in the hardware and software. The motivation of doing this is to provide an identification method for routing packet from one region to another.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MOHAMMAD ANWAR whose telephone number is (571)270-5641. The examiner can normally be reached on Monday-Thursday, 9am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Derrick W. Ferris can be reached on 571-272-3123. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Examiner
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